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STANDARD DHIA

OWNER SAMPLER

WEIGH-A-DAY - A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

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February 1963

ANOTHER ALL-TIME PEAK IN DAIRY RECORDKEEPING

On January 1, 1963, more cows than ever before were enrolled in the three recordkeeping plans, DHIA, OS, and WADAM, which collectively make up the National Cooperative Dairy Herd Improvement Program. On January 1, 1963, the Program included 2,783,504 cows from 68,813 herds. The number of cows in DHIA represents 16.3 percent of the milk cows of the nation.

A summary of the status of the Standard DHIA and DHIR plans is found on page 4. There were 2,006,534 cows enrolled in the Standard Recordkeeping Plan as of January 1, 1963. This represents an increase of 2.5% more cows as compared to January 1, 1962. In the same period the total number of milk cows in the U. S. dropped from 17,328,000 to 17,086,000, a decrease of 1.8%. At the same time the number of herds on test decreased (41,937 as compared to 42,034 on January 1, 1962), resulting in an increase from 46.6 cows on test per herd to 47.8.

Statistics on the status of the Owner-Sampler Recordkeeping Plan are given on page 6. On January 1, 1963, there were 726,478 cows enrolled in the Owner-Sampler Plan. This represents an addition of 28,176 cows or an increase of 4.0 percent as compared to January 1, 1962. The number of herds on Owner-Sampler testing increased from 24,954 in 1962 to 25,376.

Enrollment in the WADAM Recordkeeping Plan again decreased as shown on page 7. As of January 1, 1963, there were 68,813 cows from 1,500 herds on WADAM testing. The comparable totals for January 1, 1962 were 70,617 cows and

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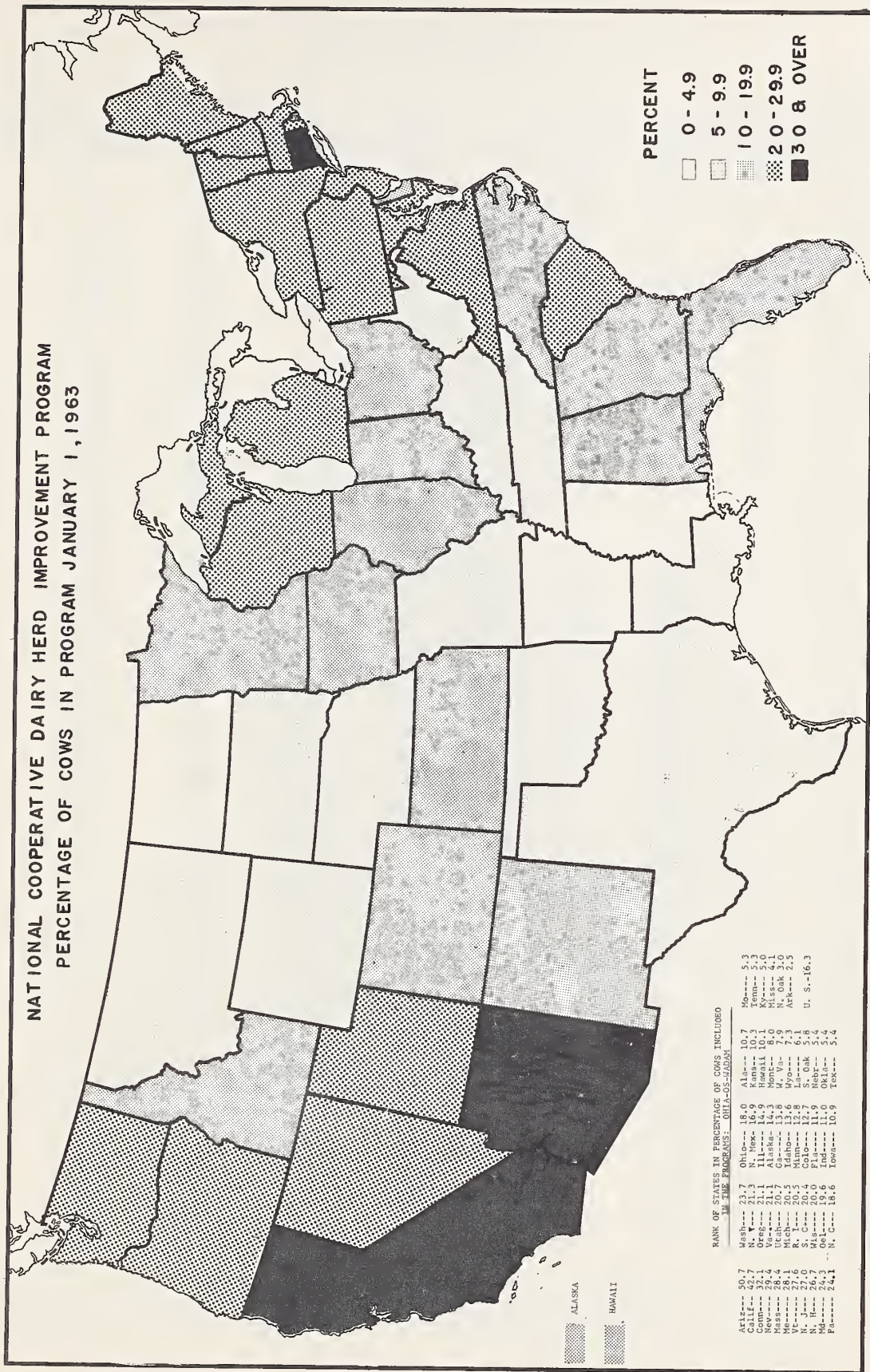
1,936 herds. Therefore 2.6 percent fewer cows were enrolled in WADAM on January 1, 1963, as compared to the number one year earlier.

On page 8 a tabulation by States for herds and cows enrolled in each Plan is presented. The final column shows the density of testing for each State. A listing of counties which had 20% or more of the total cow population on test is given on pages 9, 10 and 11.

The status of Central Processing on January 1, 1963, is presented on page 12. Of the total of 41,937 herds on Standard DHIA, 27,824, or 66.3%, were on the electronic computing system. This represents a gain of 3,413 herds as compared to data for January 1, 1962.

A map showing the density of DHIA testing is given on page 3. The top five ranking States were Arizona, California, Connecticut, Nevada and Massachusetts.

NATIONAL COOPERATIVE DAIRY HERD IMPROVEMENT PROGRAM PERCENTAGE OF COWS IN PROGRAM JANUARY 1, 1963



DAIRY HERD IMPROVEMENT ASSOCIATIONS IN THE UNITED STATES
(Active January 1, 1963)

State	Associa- tions	Super- visors	Herds	Cows	Average cows per herd	Average per supervisor		Milk cows in United States ^{1/}	
						Herds	Cows	Total Thousands	in DHIA's Percent
Me-----	15	34	573	21,610	37.7	16.9	636	93	23.2
N. H-----	9	19	368	11,101	30.2	19.4	584	51	21.8
Vt-----	35	75	1,073	49,689	46.3	14.3	663	258	19.3
Mass-----	12	27	539	23,134	42.9	20.0	857	92	25.1
R. I-----	2	2	48	2,449	51.0	24.0	1,225	13	18.8
Conn-----	8	29	484	23,396	48.3	16.7	807	82	28.5
N. Y-----	49	214	3,877	170,000	43.8	18.1	794	1,253	13.6
Pa-----	59	210	4,936	172,447	34.9	23.5	821	872	19.8
N. J-----	10	26	547	29,474	53.9	21.0	1,134	125	23.6
Md-----	18	42	905	48,234	53.3	21.5	1,148	215	22.4
Del-----	3	5	107	4,372	40.9	21.4	874	25	17.5
Va-----	66	62	1,156	65,335	56.5	18.6	1,054	324	20.2
W. Va-----	13	17	158	7,210	45.6	9.3	424	119	6.1
Ky-----	47	49	535	21,000	39.3	10.9	429	493	4.3
N. C-----	53	56	820	42,845	52.2	14.6	765	256	16.7
S. C-----	16	23	244	19,553	80.1	10.6	850	104	18.8
Ga-----	29	33	378	25,460	67.4	11.5	772	203	12.5
Fla-----	9	12	116	19,207	165.6	9.7	1,601	180	10.7
Ala-----	22	21	272	21,916	80.6	13.0	1,044	229	9.6
Miss-----	13	17	177	10,266	58.0	10.4	604	329	3.1
Tenn-----	38	35	484	24,369	50.3	13.8	696	493	4.9
La-----	15	16	65	5,214	80.2	4.1	326	227	2.3
Ark-----	11	12	79	3,583	45.4	6.6	299	208	1.7
Ohio-----	82	145	2,317	80,446	34.7	16.0	555	654	12.3
Ind-----	57	80	1,110	38,210	34.4	13.9	478	410	9.3
Ill-----	64	94	1,672	62,428	37.3	17.8	664	539	11.6
Mich-----	84	130	2,086	78,800	37.8	16.0	606	637	12.4
Wis-----	61	154	2,912	114,405	39.3	18.9	743	2,138	5.4
Minn-----	89	211	4,040	125,156	31.0	19.1	593	1,275	9.8
Iowa-----	72	113	1,862	57,973	31.1	16.5	513	832	7.0
Mo-----	44	45	634	27,228	42.9	14.1	605	641	4.2
N. Dak-----	13	12	178	6,014	33.8	14.8	501	268	2.2
S. Dak-----	16	14	206	7,754	37.6	14.7	554	238	3.3
Nebr-----	29	31	330	13,750	41.7	10.6	444	300	4.6
Kans-----	51	57	776	29,175	37.6	13.6	512	316	9.2
Okla-----	17	19	182	9,255	50.9	9.6	487	229	4.0
Tex-----	30	31	390	27,995	71.8	12.6	903	544	5.1
Mont-----	8	9	88	4,055	46.1	9.8	451	73	5.6
Idaho-----	38	40	727	26,180	36.0	18.2	655	197	13.3
Wyo-----	5	5	34	1,218	35.8	6.8	244	28	4.4
Nev-----	5	4	52	4,042	77.7	13.0	1,011	15	26.9
Utah-----	18	18	441	18,447	41.8	24.5	1,025	93	19.8
Colo-----	15	23	206	11,976	58.1	9.0	521	116	10.3
N. Mex-----	6	6	44	4,383	99.6	7.3	731	38	11.5
Ariz-----	5	13	140	20,860	149.0	10.8	1,605	49	42.6
Wash-----	24	51	904	49,534	54.8	17.7	971	237	20.9
Oreg-----	18	30	500	28,100	56.2	16.7	937	153	18.4
Calif-----	34	135	2,103	330,389	157.1	15.6	2,447	805	41.0
Hawaii-----	1	2	11	1,240	112.7	5.5	620	14	8.9
Alaska-----	2	2	10	430	43.0	5.0	215	3	14.3
P. R-----	1	6	41	5,227	127.5	6.8	871	-	-
Total or average---	1,441	2,516	41,937	2,006,534	47.8	16.7	798	17,086	11.7

^{1/} Estimated by the Statistical Reporting Service; number of milk cows on farms during year excluding heifers not yet fresh.

GROWTH OF DAIRY-HERD-IMPROVEMENT ASSOCIATION WORK IN THE UNITED STATES
(1906-1963, inclusive)

Year	Associa- tion	Super- visors	Herds on test	Cows on test	Average cows per herd	Average production of cows on test		
						Milk	Test	Butterfat
	Number	Number	Number	Number	Number	Pounds	Percent	Pounds
1906----	1	----	31	239	7.7	5,300	4.1	215
1907----	4	----	----	1,606	----	5,366	4.1	220
1908----	6	----	----	3,921	----	-----	----	----
1909----	25	----	----	11,921	----	-----	----	----
1910----	40	----	1/	25,000	----	1/ 5,730	4.0	1/ 227
1911----	64	----	1/	40,000	----	-----	----	----
1912----	82	----	1/	43,000	----	-----	----	----
1913----	100	----	----	47,150	----	-----	----	----
1914----	163	----	----	73,280	----	-----	----	----
1915----	211	----	----	105,526	----	-----	----	----
1916----	346	----	----	150,677	----	-----	----	----
1917----	459	----	11,720	216,831	18.5	-----	----	----
1918----	353	----	9,778	172,518	17.6	-----	----	----
1919----	385	----	10,000	167,313	16.7	-----	----	----
1920----	468	----	11,948	203,472	17.0	6,175	4.0	247
1921----	452	----	11,209	193,928	17.3	-----	----	----
1922----	513	----	12,508	215,321	17.2	-----	----	----
1923----	627	----	16,357	277,010	16.9	-----	----	----
1924 2/	----	----	----	----	----	-----	----	----
1925----	732	----	18,677	307,073	16.4	7,189	4.0	284
1926----	777	----	19,540	327,653	16.8	7,331	4.0	290
1927----	837	----	21,128	362,014	17.1	7,411	4.0	293
1928----	947	----	23,327	414,891	17.8	7,476	4.0	296
1929----	1,090	----	26,182	465,804	17.8	7,498	4.0	298
1930----	1,143	----	27,888	507,549	18.2	7,642	4.0	303
1931----	1,112	----	26,308	510,714	19.4	7,812	3.9	306
1932----	1,005	----	20,351	427,044	21.0	7,858	3.9	310
1933----	881	----	15,447	358,501	23.2	7,849	4.0	313
1934----	793	----	13,694	325,837	23.8	8,015	4.0	322
1935----	809	----	15,573	364,218	23.4	7,977	4.0	322
1936----	876	----	17,344	404,412	23.3	7,912	4.0	319
1937----	992	----	20,772	496,562	23.9	7,923	4.0	320
1938----	1,106	----	23,701	558,993	23.6	7,831	4.0	317
1939----	1,228	----	25,949	625,284	24.1	7,977	4.1	323
1940----	1,300	----	27,948	676,141	24.2	8,133	4.1	331
1941----	1,383	----	31,381	763,502	24.3	8,225	4.1	335
1942----	1,421	----	32,957	816,117	24.8	8,323	4.1	339
1943----	1,057	----	24,155	616,972	25.5	8,325	4.1	338
1944----	954	----	20,825	561,587	27.0	8,296	4.1	336
1945----	949	----	21,254	577,200	27.2	8,592	4.0	346
1946----	1,124	----	23,331	627,878	27.0	8,635	4.0	349
1947----	1,426	----	28,812	775,546	26.9	8,638	4.0	348
1948----	1,668	----	33,274	886,129	26.6	8,675	4.0	350
1949----	1,787	----	35,851	943,939	26.3	8,907	4.0	359
1950----	1,973	----	40,100	1,088,872	27.2	9,172	4.0	370
1951----	2,143	----	42,949	1,186,615	27.6	9,195	4.0	370
1952----	2,109	----	40,105	1,166,297	29.1	9,192	4.0	366
1953----	2,151	----	40,983	1,226,588	29.9	9,253	4.0	368
1954----	2,175	----	41,254	1,311,698	31.8	9,363	4.0	372
1955----	2,288	----	41,240	1,333,866	32.3	9,502	3.9	375
1956----	2,266	----	40,984	1,406,306	34.4	9,713	3.9	383
1957 3/	1,700	2,310	41,638	1,479,799	35.5	9,894	3.9	389
1958----	1,544	2,293	39,985	1,548,884	38.7	10,068	3.9	394
1959----	1,500	2,337	40,284	1,607,538	39.9	10,327	3.9	401
1960----	1,509	2,397	41,293	1,746,752	42.3	-----	----	----
1961----	1,395	2,448	42,558	1,867,469	43.9	10,796	3.9	4/ 418
1962----	1,436	2,472	42,034	1,958,355	46.6	11,032	3.9	426
1963----	1,441	2,516	41,937	2,006,534	47.8	-----	----	----

1/ Estimated.

2/ Date for collecting data changed in 1924 from July 1 to January 1.

3/ Prior to 1957 associations were counted on the basis of supervisor circuits.

4/ Date for summarizing data changed in 1961 from January 1 to May 1.

OWNER-SAMPLER DAIRY RECORDKEEPING IN THE UNITED STATES
(January 1, 1963)

State	Counties Number	Herds Number	Cows Number	Milk cows in United States 1/	
				Total Thousands	in O-S Percent
Me-----	12	136	4,293	93	4.6
N. H-----	6	94	2,410	51	4.7
Vt-----	13	630	21,421	258	8.3
Mass-----	11	107	2,982	92	3.2
R. I-----	4	6	219	13	1.7
Conn-----	8	83	2,890	82	3.5
N. Y-----	48	3,067	97,257	1,253	7.8
Pa-----	59	1,406	37,898	872	4.3
N. J-----	8	107	4,065	125	3.3
Md-----	14	107	3,998	215	1.9
Del-----	3	20	470	25	1.9
Va-----	23	86	2,767	324	.9
W. Va-----	3	11	479	119	.4
Ky-----	2	4	80	493	(2)
N. C-----	14	49	1,732	256	.7
S. C-----	2	2	93	104	.1
Ga-----	1	1	105	203	.1
Fla-----	6	7	2,142	180	1.2
Ala-----	2	4	216	229	.1
Miss-----	-	-	-	329	0
Tenn-----	2	2	45	493	(2)
La-----	2	4	196	227	.1
Ark-----	11	27	808	208	.4
Ohio-----	83	1,602	37,244	654	5.7
Ind-----	16	286	6,765	410	1.7
Ill-----	33	397	11,683	539	2.2
Mich-----	71	1,778	50,334	637	7.9
Wis-----	68	10,889	312,439	2,138	14.6
Minn-----	83	1,552	37,845	1,275	3.0
Iowa-----	97	1,467	32,276	832	3.9
Mo-----	20	61	1,856	641	.3
N. Dak-----	8	38	879	268	.3
S. Dak-----	28	276	6,079	238	2.6
Nebr-----	30	75	2,200	300	7.3
Kans-----	22	119	3,328	316	1.1
Okla-----	8	42	1,600	229	.7
Tex-----	3	8	322	544	.1
Mont-----	6	38	1,597	73	2.2
Idaho-----	2	5	129	197	.1
Wyo-----	5	18	831	28	3.0
Nev-----	2	5	368	15	2.5
Utah-----	9	29	748	93	.8
Colo-----	8	54	2,783	116	2.4
N. Mex-----	6	6	645	38	1.7
Ariz-----	3	17	3,968	49	8.1
Wash-----	18	229	6,752	237	2.8
Oreg-----	23	148	4,170	153	2.7
Calif-----	23	277	13,071	805	1.6
Hawaii-----	-	-	-	14	-
Alaska-----	-	-	-	3	-
P. R-----	-	-	-	-	-
Total-----	929	25,376	726,478	17,086	4.3

1/ Estimated by the Statistical Reporting Service; number of milk cows on farms during year excluding heifers not yet fresh.

2/ Less than one-tenth of one percent.

WEIGH-A-DAY-A-MONTH DAIRY RECORDKEEPING IN THE UNITED STATES
(January 1, 1963)

State	Counties Number	Herds Number	Cows Number	Milk cows in United States 1/ Total : in WADAM	
				Thousands	Percent
Me-----	2	8	203	93	.2
N. H-----	2	4	110	51	.2
Vt-----	-	-	-	258	0
Mass-----	-	-	-	92	0
R. I-----	-	-	-	13	0
Conn-----	-	-	-	82	0
N. Y-----	-	-	-	1,253	0
Pa-----	-	-	-	872	0
N. J-----	2	3	150	125	.1
Md-----	-	-	-	215	0
Del-----	1	3	55	25	.2
Va-----	2	2	143	324	(2)
W. Va-----	21	73	1,755	119	1.5
Ky-----	25	185	3,500	493	.7
N. C-----	32	87	3,004	256	1.2
S. C-----	10	41	1,616	104	1.6
Ga-----	13	40	2,500	203	1.2
Fla 3/-----	-	-	-	180	0
Ala-----	21	41	2,432	229	1.1
Miss-----	15	85	3,231	329	1.0
Tenn-----	24	72	1,491	493	.3
La-----	29	143	8,351	227	3.7
Ark-----	12	52	720	208	.3
Ohio-----	1	10	324	654	(2)
Ind-----	-	-	-	410	0
Ill-----	35	252	6,391	539	1.2
Mich-----	19	56	1,462	637	.2
Wis-----	-	-	-	2,138	0
Minn-----	-	-	-	1,275	0
Iowa-----	2	12	153	832	(2)
Mo-----	47	178	4,861	641	.8
N. Dak-----	12	52	1,207	268	.5
S. Dak-----	-	-	-	238	0
Nebr-----	3	6	150	300	.1
Kans-----	2	3	154	316	(2)
Okla-----	10	37	1,622	229	.7
Tex-----	7	14	1,004	544	.2
Mont-----	3	6	190	73	.3
Idaho-----	2	7	486	197	.2
Wyo-----	-	-	-	28	0
Nev-----	-	-	-	15	0
Utah-----	1	1	13	93	(2)
Colo-----	-	-	-	116	0
N. Mex-----	5	5	1,380	38	3.6
Ariz-----	-	-	-	49	0
Wash-----	-	-	-	237	0
Oreg-----	-	-	-	153	0
Calif-----	-	-	-	805	0
Hawaii-----	2	4	180	14	1.3
Alaska-----	-	-	-	3	0
P. R-----	13	18	1,654	-	-
Total-----	375	1,500	50,492	17,086	.3

1/ Estimated by the Statistical Reporting Service; number of milk cows on farms during year excluding heifers not yet fresh.

2/ Less than one-tenth of one percent.

3/ Florida: Used modified WADAM Plan - 18 counties, 38 herds, 11,705 cows.

THE NATIONAL COOPERATIVE DAIRY HERD IMPROVEMENT PROGRAM
(January 1, 1963)

State	Standard DHIA		Owner-Sampler		Weigh-a-Day a-Month		Total		Milk cows in U. S.	
	Herds	Cows	Herds	Cows	Herds	Cows	Herds	Cows	Total 1/	In all 2/
	Number	Number	Number	Number	Number	Number	Number	Number	Thousands	Plans Percent
Me-----	573	21,610	136	4,293	8	203	717	26,106	93	28.1
N. H-----	368	11,101	94	2,410	4	110	466	13,621	51	26.7
Vt-----	1,073	49,689	630	21,421	-	-	1,703	71,110	258	27.6
Mass-----	539	23,134	107	2,982	-	-	646	26,116	92	28.4
R. I-----	48	2,449	6	219	-	-	54	2,668	13	20.5
Conn-----	484	23,396	83	2,890	-	-	567	26,286	82	32.1
N. Y-----	3,877	170,000	3,067	97,257	-	-	6,944	267,257	1,253	21.3
Pa-----	4,936	172,447	1,406	37,898	-	-	6,342	210,345	872	24.1
N. J-----	547	29,474	107	4,065	3	150	657	33,689	125	27.0
Md-----	905	48,234	107	3,998	-	-	1,012	52,232	215	24.3
Del-----	107	4,372	20	470	3	55	130	4,897	25	19.6
Va-----	1,156	65,335	86	2,767	2	143	1,244	68,245	324	21.1
W. Va-----	158	7,210	11	479	73	1,755	242	9,444	119	7.9
Ky-----	535	21,000	4	80	185	3,500	724	24,580	493	5.0
N. C-----	820	42,845	49	1,732	87	3,004	956	47,581	256	18.6
S. C-----	244	19,553	2	93	41	1,616	287	21,262	104	20.4
Ga-----	378	25,460	1	105	40	2,500	419	28,065	203	13.8
Fla-----	116	19,207	7	2,142	-	-	123	21,349	180	11.9
Ala-----	272	21,916	4	216	41	2,432	317	24,564	229	10.7
Miss-----	177	10,266	-	-	85	3,231	262	13,497	329	4.1
Tenn-----	484	24,369	2	45	72	1,491	558	25,905	493	5.3
La-----	65	5,214	4	196	143	8,351	212	13,761	227	6.1
Ark-----	79	3,583	27	808	52	720	158	5,111	208	2.5
Ohio-----	2,317	80,446	1,602	37,244	10	324	3,929	118,014	654	18.0
Ind-----	1,110	38,210	286	6,765	-	-	1,396	44,975	410	11.0
Ill-----	1,672	62,428	397	11,683	252	6,391	2,321	80,502	539	14.9
Mich-----	2,086	78,800	1,778	50,334	56	1,462	3,920	130,596	637	20.5
Wis-----	2,912	114,405	10,889	312,439	-	-	13,801	426,844	2,138	20.0
Minn-----	4,040	125,156	1,552	37,845	-	-	5,592	163,001	1,275	12.8
Iowa-----	1,862	57,973	1,467	32,276	12	153	3,341	90,402	832	10.9
Mo-----	634	27,228	61	1,856	178	4,861	873	33,945	641	5.3
N. Dak-----	178	6,014	38	879	52	1,207	268	8,100	268	3.0
S. Dak-----	206	7,754	276	6,079	-	-	482	13,833	238	5.8
Nebr-----	330	13,750	75	2,200	6	150	411	16,100	300	5.4
Kans-----	776	29,175	119	3,328	3	154	898	32,657	316	10.3
Okla-----	182	9,255	42	1,600	37	1,622	261	12,477	229	5.4
Tex-----	390	27,995	8	322	14	1,004	412	29,321	544	5.4
Mont-----	88	4,055	38	1,597	6	190	132	5,842	73	8.0
Idaho-----	727	26,180	5	129	7	486	739	26,795	197	13.6
Wyo-----	34	1,218	18	831	-	-	52	2,049	28	7.3
Nev-----	52	4,042	5	368	-	-	57	4,410	15	29.4
Utah-----	441	18,447	29	748	1	13	471	19,208	93	20.7
Colo-----	206	11,976	54	2,783	-	-	260	14,759	116	12.7
N. Mex-----	44	4,383	6	645	5	1,380	55	6,408	38	16.9
Ariz-----	140	20,860	17	3,968	-	-	157	24,828	49	50.7
Wash-----	904	49,534	229	6,752	-	-	1,133	56,286	237	23.7
Oreg-----	500	28,100	148	4,170	-	-	648	32,270	153	21.1
Calif-----	2,103	330,389	277	13,071	-	-	2,380	343,460	805	42.7
Hawaii-----	11	1,240	-	-	4	180	15	1,420	14	10.1
Alaska-----	10	430	-	-	-	-	10	430	3	14.3
P. R-----	41	5,227	-	-	18	1,654	59	6,881	-	-
Total or average:	41,937	2,006,534	25,376	726,478	1,500	50,492	68,813	2,783,504	17,086	16.3

1/ Estimated by the Statistical Reporting Service; number of milk cows on farms during year excluding heifers not yet fresh.

2/ Percentage of cows included in the National Cooperative Dairy Herd Improvement Program.

COUNTIES, BY STATE, WITH 20% OR MORE COWS INCLUDED IN THE
NATIONAL COOPERATIVE DAIRY HERD IMPROVEMENT PROGRAM

(January 1, 1963)

State	County (Name)	Cows (%)	State	County (Name)	Cows (%)	State	County (Name)	Cows (%)	State	County (Name)	Cows (%)
ALABAMA			FLORIDA			ILLINOIS (con't.)			MARYLAND (con't.)		
Montgomery-----	43		Gilchrist-----	63		Jackson-----	24		Montgomery-----	38	
Elmore-----	38		Sarasota-----	58		Champaign-----	23		Harford-----	34	
Russell-----	31		Putnam-----	57		Grundy-----	23		Dorchester-----	33	
Jefferson-----	26		Highlands-----	52		Macon-----	23		Baltimore-----	32	
			Orange-----	50		McHenry-----	22		Carroll-----	27	
ARIZONA			Manatee-----	49		Jefferson-----	21		Talbot-----	27	
Pima-----	131		Seminole-----	42		Carroll-----	20		Cecil-----	26	
Greenlee-----	71		Osceola-----	41		Jasper-----	20		Marva-----	26	
Maricopa-----	64		Jefferson-----	39					Frederick-----	24	
Pinal-----	53		Volusia-----	38		INDIANA					
Graham-----	43		Martin-----	37		Howard-----	33		MASSACHUSETTS		
Cochise-----	21		Nassau-----	33		Boone-----	29		Barnstable-----	44	
			Leon-----	30		Blackford-----	21		Berkshire-----	40	
CALIFORNIA			Levy-----	30		Cass-----	21		Essex-----	34	
San Diego-----	69		Dade-----	25					Middlesex-----	29	
Santa Cruz-----	62		Lafayette-----	25		IOWA			Hampshire-----	28	
Monterey-----	61		Jackson-----	24		Lee-----	33		Plymouth-----	27	
Madera-----	59		Washington-----	24		Cerro Gordo-----	27		Worcester-----	24	
Sonoma-----	58		Okeechobee-----	23		Dallas-----	27		Dukes-----	22	
Napa-----	57		Alachua-----	20		Polk-----	27		Franklin-----	22	
San Joaquin-----	57		Duval-----	20		Franklin-----	26				
Fresno-----	56		Polk-----	20		Scott-----	24		MICHIGAN		
Marin-----	56					Story-----	22		Jackson-----	40	
San Bernardino-----	56		GEORGIA			Sac-----	21		Ingham-----	38	
Santa Barbara-----	56		Dooly-----	100		Warren-----	21		Lenawee-----	38	
Stanislaus-----	55		Evans-----	100					Calhoun-----	34	
Tulare-----	49		Douglas-----	80		KANSAS			Livingston-----	33	
Inyo-----	47		Tattnall-----	80		Saline-----	36		Monroe-----	32	
Riverside-----	47		Houston-----	79		Comanche-----	35		St. Joseph-----	32	
Kern-----	46		Macon-----	75		Finney-----	31		Oscoda-----	31	
Del Norte-----	45		Raburn-----	75		Pawnee-----	28		Kalamazoo-----	30	
Merced-----	44		Baldwin-----	73		Cowley-----	27		Oakland-----	30	
Shasta-----	43		Fayette-----	66		Harvey-----	27		Washtenaw-----	30	
Los Angeles-----	42		Lee-----	66		Reno-----	27		Barry-----	29	
Sacramento-----	42		Turner-----	66		Stafford-----	24		Eaton-----	29	
Santa Clara-----	42		Rockdale-----	62		Dickinson-----	23		Berrien-----	27	
San Luis Obispo-----	39		Lincoln-----	60		Harper-----	23		Clinton-----	27	
Tehama-----	39		Newton-----	60		Hamilton-----	21		Muskegon-----	27	
Placer-Nevada-----	37		Carroll-----	57		Marion-----	21		Alger-----	25	
Solano-Yolo-----	37		Stewart-----	55		Pratt-----	21		Shlawassee-----	25	
Kings-----	32		Clarke-----	51		Wallace-----	21		Saginaw-----	24	
Lassen-----	30		Jeff Davis-----	50					Baraga-----	23	
Butte-----	28		Montgomery-----	50		LOUISIANA			Iosco-----	23	
Humboldt-----	28		Mitchell-----	48		Rapides-----	40		Tuscola-----	23	
Glenn-----	25		Floyd-----	45		Richland-----	34		Branch-----	22	
Yuba-Sutter-----	23		Spalding-----	45		Beauregard-----	32		Gratiot-----	22	
			Walton-----	44		Lafayette-----	24		Huron-----	22	
COLORADO			Heard-----	43		Franklin-----	23		Lapeer-----	22	
Chaffee-----	73		Jefferson-----	41		Morehouse-----	23		Mason-----	22	
Pueblo-----	38		McIntosh-----	39		West Carroll-----	22		Genesee-----	21	
Fremont-----	31		Sumter-----	39		Iberia-----	21		Kent-----	20	
Huerfano-----	30		Jones-----	37							
Delta-----	26		Worth-----	36		MAINE			MINNESOTA		
Jefferson-----	25		Peach-----	35		Oxford-----	49		Dakota-----	31	
Larimer-----	23		Brooks-----	33		Cumberland-----	41		Winona-----	28	
Boulder-----	22		Butts-----	32		Twin-----	41		Goodhue-----	26	
Weld-----	21		Richmond-----	32		Penobscot-----	31		McLeod-----	25	
			Lamar-----	30		Waldo-----	30		Washington-----	24	
CONNECTICUT			Henry-----	27		Somerset-----	29		Hennepin-----	22	
Middlesex-----	50		Laurens-----	25		York-----	29		Olmsted-----	22	
Litchfield-----	44		Jasper-----	21		Knox-Lincoln-----	25				
Tolland-----	34					Kennebec-----	22		NEBRASKA		
Windham-----	30		ILLINOIS			Aroostook-----	21		Lancaster-----	25	
Hartford-----	28		Kendall-----	45		Hancock-----	21				
New Haven-----	27		Christian-----	37		Piscataquis-----	21		NEVADA		
New London-----	21		Du Page-----	29					Clark-----	65	
			Moultrie-----	27		MARYLAND			Lincoln-----	65	
DELAWARE			Stark-----	27		Howard-----	56		Churchill-----	50	
Sussex-----	25		Kankakee-----	26		Kent-----	42		Douglas-----	34	
			Lake-----	26							
			DeKalb-----	25							
			Effingham-----	25							
			Bond-----	24							

COUNTIES, BY STATE, WITH 20% OR MORE COWS INCLUDED IN THE
NATIONAL COOPERATIVE DAIRY HERD IMPROVEMENT PROGRAM (con't.)

(January 1, 1963)

State	County (Name)	Cows (%)	State	County (Name)	Cows (%)	State	County (Name)	Cows (%)	State	County (Name)	Cows (%)	
NEW HAMPSHIRE			NORTH CAROLINA (con't.)			PENNSYLVANIA (con't.)			VERMONT (con't.)			
	Cheshire-----	43		Edgecomb-----	35		Huntingdon-----	28		Franklin-----	27	
	Coos-----	40		Pitt-----	32		McKean-----	28		Washington-----	26	
	Hillsboro-----	39		Craven-----	31		Northumberland-----	28		Lamoille-----	24	
	Sullivan-----	38		Gaston-----	31		Wyoming-----	28		Caledonia-----	22	
	Grafton-----	36		Bladen-----	29		Juniata-----	27		Orleans-----	22	
	Belknap-----	35		Columbus-----	29		Lehigh-----	27				
	Merrimack-----	34		Orange-----	29		Bedford-----	26		VIRGINIA		
	Rockingham-----	23		Durham-----	28		Bradford-----	26		James City-----	77	
	Strafford-----	20		Halifax-----	26		Columbia-----	26		Lancaster-----	71	
NEW JERSEY				Pender-----	26		Berks-----	25		Northampton-----	71	
	Burlington-----	32		Wilson-----	26		Lancaster-----	25		Clarke-----	59	
	Hunterton-----	32		Beaufort-----	24		Lebanon-----	25		Powhatan-----	58	
	Somersett-----	31		Cleveland-----	23		Northampton-----	25		Princess Anne-----	57	
	Warren-----	30		Henderson-----	23		Fulton-----	24		Loudoun-----	47	
	Gloucester-----	29		Brunswick-----	22		York-----	24		Southampton-----	42	
	Sussex-----	27		Jones-----	22		Indiana-----	23		Fairfax-----	40	
	Salem-Cumberland-----	23		Randolph-----	22		Lawrence-----	23		Norfolk-----	40	
	Morris-----	20		Scotland-----	22		Susquehanna-----	23		Orange-----	40	
				Pamlico-----	21		Tioga-----	23		Culpeper-----	39	
NEW MEXICO			OHIO				Lycoming-----	22		Spotsylvania-----	39	
	Taos-----	100		Marion-----	42		Cambria-----	21		Madison-----	38	
	Dona Ana-----	85		Medina-----	41		Franklin-----	21		Augusta-----	37	
	Valencia-----	49		Champaign-----	34		Wayne-----	21		Bath-----	37	
	Sierra-----	45		Lorain-----	34		Erle-----	20		Dimwiddle-----	37	
	Sandoval-----	34		Allen-----	32		RHODE ISLAND			Prince George-----	37	
	Eddy-----	31		Clark-----	29					Prince William-----	37	
NEW YORK				Fulton-----	29		Kent-----	42		Fauquier-----	35	
	Suffolk-----	51		Logan-----	29		Washington-----	21		Isle of Wight-----	35	
	Genesee-----	48		Auglaize-----	27		Newport-----	20		Nansemond-----	35	
	Ontario-----	48		Henry-----	27					Rockingham-----	35	
	Dutchess-----	44		Ashland-----	26		SOUTH CAROLINA			Roanoke-----	33	
	Columbia-----	39		Fairfield-----	26					Pulaski-----	32	
	Tompkins-----	38		Miami-----	26		Sumter-----	55		Warren-----	32	
	Onondaga-----	37		Erle-----	25		Bamberg-----	50		Charlotte-----	31	
	Wayne-----	37		Holmes-----	25		Saluda-----	47		Amelia-----	30	
	Orleans-----	35		Shelby-----	25		Lee-----	46		Henrico-----	28	
	Monroe-----	33		Greene-----	24		Orangeburg-----	43		King William-----	27	
	Schuyler-----	31		Huron-----	23		Marlboro-----	39		Albemarle-----	26	
	Chenango-----	29		Wayne-----	23		Beaufort-----	36		Brunswick-----	26	
	Livingston-----	29		Tuscarawas-----	22		Newberry-----	34		Franklin-----	26	
	Schoharie-----	29		Geauga-----	21		Colleton-----	31		Nottoway-----	25	
	Chemung-----	28		Portage-----	20		Jasper-----	27		Hanover-----	24	
	Cortland-----	28		Seneca-----	20		Greenville-----	26		Rockbridge-----	23	
	Seneca-----	28					Laurens-----	24		Cumberland-----	22	
	Chautauqua-----	27		OREGON			Edgefield-----	23		Wise-----	21	
	Delaware-----	27										
	Wyoming-----	27		Josephine-----	35		SOUTH DAKOTA			WASHINGTON		
	Erle-----	24		Lane-----	27							
	Tioga-----	24		Washington-----	27		Butte-----	41		Jefferson-----	56	
	Washington-----	24		Clackamas-----	26		Lawrence-----	32		Grays Harbor-----	51	
	Cayuga-----	23		Multnomah-----	26		Custer-----	26		Mason-----	43	
	Albany-----	22		Tillamook-----	23		Pennington-----	25		Island-----	43	
	Madison-----	22		Marion-----	22					Skagit-----	43	
	Niagara-----	22		Clatsop-----	20		UTAH			Thurston-----	43	
	Broome-----	21								Pierce-----	42	
	Montgomery-----	21		PENNSYLVANIA			Wasatch-----	47		Spokane-----	37	
	Ulster-----	21					Summit-----	39		Grant-----	35	
	Greene-----	20		Montgomery-----	41		Morgan-----	36		Wahkiakum-----	35	
	Steuben-----	20		Blair-----	38		Salt Lake-----	36		Clallam-----	32	
NORTH CAROLINA				Clinton-----	38		Utah-----	35		Klickitat-----	32	
	Carteret-----	81		Dauphin-----	38		Weber-----	27		Walla Walla-----	31	
	Lenoir-----	67		Union-----	38		Davis-----	26		Clark-----	26	
	New Hanover-----	56		Bucks-----	34		Cache-----	23		Cowlitz-----	26	
	Martin-----	50		Allegheny-----	33		Tooele-----	21		King-----	26	
	Washington-----	45		Montour-----	33					Chelan-----	24	
	Cumberland-----	44		Luzerne-----	32		VERMONT			Kittitas-----	24	
	Wake-----	40		Perry-----	31					Pacific-----	22	
	Guilford-----	36		Cumberland-----	30		Addison-----	35		Whatcom-----	21	
				Mifflin-----	30		Orange-----	30		Franklin-----	20	
				Potter-----	29		Rutland-----	30		Lewis-----	20	
				Sullivan-----	29		Chittenden-----	27		Snohomish-----	20	
				Centre-----	28							
				Chester-----	28							

COUNTIES, BY STATE, WITH 20% OR MORE COWS INCLUDED IN THE
NATIONAL COOPERATIVE DAIRY HERD IMPROVEMENT PROGRAM (con't.)

(January 1, 1963)

State	County (Name)	Cows (%)	State	County (Name)	Cows (%)
WEST VIRGINIA			WISCONSIN (con't.)		
	Ohio-----	32		Green Lake-----	25
	Mason-----	29		Jefferson-----	24
	Jefferson-----	26		Oconto-----	24
	Greenbrier-----	23		Sheboygan-----	24
	Harrison-----	21		Columbia-----	23
WISCONSIN				Dunn-----	23
	Winnebago-----	39		Green-----	23
	Kenosha-----	37		La Crosse-----	23
	Kewaunee-----	32		St. Croix-----	23
	Calumet-----	30		Washington-----	23
	Rock-----	30		Brown-----	22
	Racine-----	29		Marquette-----	22
	Waukesha-----	29		Ozaukee-----	22
	Manitowoc-----	28		Douglas-----	21
	Outagamie-----	27		Polk-----	21
	Walworth-----	27		Shawano-----	21
	Barron-----	26		Trempealeau-----	21
	Florence-----	26		Wood-----	21
				Fond du Lac-----	20
				Richland-----	20
				Vernon-----	20

NUMBER OF RECORDS PROCESSED IN DHIA COMPUTING CENTERS*
(as reported by State Extension Dairymen, January 1, 1963)

State	DHIA Records		DHIR Records		Owner-Sampler	
	Herds Number	Cows Number	Herds Number	Cows Number	Herds Number	Cows Number
Ala-----	220	17,797	17	953	4	216
Alaska-----	-	-	-	-	-	-
Ariz-----	26	2,848	7	771	4	272
Ark-----	72	3,360	7	223	27	808
Calif-----	-	-	-	-	-	-
Colo-----	182	10,870	24	1,106	22	550
Conn-----	270	12,346	78	4,403	68	2,020
Del-----	101	4,207	6	165	20	470
Fla-----	19	3,601	13	2,344	-	-
Ga-----	200	13,436	15	1,064	1	105
Idaho-----	36	1,936	3	173	3	105
Ill-----	1,133	42,720	115	4,005	221	6,051
Ind-----	957	33,213	153	4,997	40	970
Iowa-----	1,254	41,181	244	7,911	522	11,988
Kans-----	366	15,087	76	2,895	30	847
Ky-----	232	8,700	34	1,100	1	25
La-----	41	2,478	5	374	4	196
Me-----	354	12,942	51	2,442	88	2,854
Md-----	421	22,591	95	4,393	69	2,464
Mass-----	382	16,118	90	3,959	72	2,139
Mich-----	1,947	72,528	139	6,272	1,477	41,905
Minn-----	1,493	46,283	145	4,961	971	23,692
Miss-----	67	4,020	21	1,250	-	-
Mo-----	63	2,491	27	1,109	9	217
Mont-----	25	1,167	2	101	17	729
Nebr-----	171	7,833	35	1,450	67	2,070
Nev-----	18	1,363	5	286	-	-
N. H-----	320	8,949	48	2,152	52	1,397
N. J-----	148	8,335	38	1,886	22	816
N. Mex-----	23	2,318	10	640	1	10
N. Y-----	3,009	136,000	362	15,900	2,337	74,000
N. C-----	731	37,779	89	5,066	47	1,708
N. Dak-----	146	5,163	14	438	21	472
Ohio-----	923	30,832	202	7,775	253	6,451
Okla-----	85	4,031	34	2,069	12	687
Oreg-----	103	6,920	24	1,700	17	472
Pa-----	4,780	167,003	156	5,444	1,406	37,898
P. R-----	14	3,182	-	-	-	-
R. I-----	22	1,289	14	501	5	205
S. C-----	201	16,210	43	3,343	2	93
S. Dak-----	61	2,332	16	595	17	422
Tenn-----	132	6,453	46	2,673	-	-
Tex-----	185	13,694	44	3,212	3	119
Utah-----	427	17,913	14	534	29	748
Vt-----	445	20,408	58	2,400	175	5,825
Va-----	613	31,847	84	6,483	86	2,767
Wash-----	144	7,291	29	1,742	10	290
W. Va-----	82	2,759	12	541	4	81
Wis-----	2,050	80,975	354	15,045	4,549	137,380
Wyo-----	30	1,020	2	108	18	831
Total-----	24,724	1,013,819	3,100	138,954	12,803	373,365

*WADAM Records: Illinois, 45 herds, 1,216 cows; Louisiana, 143 herds, 8,351 cows; Michigan, 56 herds, 1,462 cows; Montana, 6 herds, 190 cows; North Carolina, 13 herds, 372 cows; Utah, 1 herd, 13 cows; West Virginia, 73 herds, 1,755 cows.
Total - 337 herds, and 13,359 cows.

Ala----- R. Sam Jones, Jr., Ext. Service, Auburn University, Auburn.
Alaska--- W. J. Sweetman, Ext. Service, University of Alaska, Palmer.
Ariz----- W. R. Van Sant, Ext. Service, University of Arizona, Tucson.
Ark----- Ralph Williams, Ext. Service, P. O. Box 391, University of Arkansas,
Little Rock.
Calif---- C. L. Pelissier, Ext. Service, University of California, Davis.
Colo----- Dawson C. Jordan, Ext. Service, Colorado State University, Fort Collins.
Conn----- Robert H. Benson, Ext. Service, University of Connecticut, Storrs.
Del----- W. R. Hesselstine, Ext. Service, University of Delaware, Newark.
Fla----- C. W. Reaves, Ext. Service, University of Florida, Gainesville.
Ga----- W. H. McKinney, Ext. Service, University of Georgia, Athens.
Hawaii--- Harvey M. Vollrath, Ext. Service, University of Hawaii, Honolulu 10.
Idaho---- George W. Cleveland, Dairy Ext. Division, University of Idaho, 317 1/2
N. 8th St., Boise.
Ill----- J. G. Cash, Ext. Service, University of Illinois, Urbana.
Ind----- S. M. Gregory, Ext. Service, Purdue University, W. Lafayette.
Iowa----- D. E. Voelker, Ext. Service, Morrill Hall, Iowa State University, Ames.
Kansas--- E. Ralph Bonewitz, Ext. Service, Kansas State University, Manhattan.
Ky----- E. C. Troutman, Ext. Service, University of Kentucky, Lexington 29.
La----- N. J. Matherne, Ext. Service, Louisiana State University, Baton Rouge 3.
Me----- Norman R. Ness, Ext. Service, University of Maine, Orono.
Md----- J. L. Cason, Ext. Service, University of Maryland, College Park.
Mass----- C. H. Parsons, Ext. Service, University of Massachusetts, Amherst.
Mich----- L. A. Johnson, Ext. Service, Michigan State University, East Lansing.
Minn----- Ralph W. Wayne, Ext. Service, University of Minnesota, St. Paul 1.
Miss----- George B. Crain, Ext. Service, Mississippi State University,
State College.
Mo----- E. T. Itschner, Ext. Service, University of Missouri, Columbia.
Mont----- Earl J. Peace, Ext. Service, Montana State College, Bozeman.
Nebr----- C. W. Nibler, Ext. Service, University of Nebraska, Lincoln 3.
Nev----- James D. Schuh, Ext. Service, University of Nevada, Reno.
N. H----- Hilton Boynton, Ext. Service, University of New Hampshire, Durham.
N. J----- E. T. Oleskie, Ext. Service, Rutgers University, New Brunswick.
N. Mex--- Borden Ells, Ext. Service, N. Mex. State University, University Park.
N. Y----- J. D. Burke, Ext. Service, Cornell University, Ithaca.
N. C----- M. E. Senger, Ext. Service, N. C. State College, State College Station,
Raleigh.
N. Dak--- George Fisher, Ext. Service, N. Dak. Agricultural College, State College
Station, Fargo.
Ohio----- R. A. Porterfield, Ext. Service, Ohio State University, Columbus 10.
Okla----- J. E. Pendleton, Ext. Service, Oklahoma State University, Stillwater.
Oreg----- D. E. Anderson, Ext. Service, Oregon State University, Corvallis.
Pa----- D. N. Putnam, Ext. Service, Pennsylvania State University, University
Park.
P. R----- Cesar A. Calderon, Ext. Service, University of Puerto Rico, Rio Piedras.
R. I----- John W. Atwood, Ext. Service, University of Rhode Island, Kingston.
S. C----- C. H. Lomas, Ext. Service, Clemson Agricultural College, Clemson.
S. Dak--- Hollis D. Hall, Ext. Service, S. Dak. State College, Brookings.
Tenn----- V. D. Parsons, Ext. Service, University of Tennessee, P. O. Box 1071,
Knoxville 7.
Tex----- J. W. Davis, Jr., Ext. Service, Texas A & M College, College Station.
Utah----- John J. Barnard, Ext. Service, Utah State University, Logan.
Vt----- W. P. Leamy, Ext. Service, University of Vermont, Burlington.
Va----- J. A. Lineweaver, Ext. Service, Virginia Polytechnic Institute,
Blacksburg.
Wash----- Willard Winters, Ext. Service, Washington State University, Puyallup.
W. Va---- W. L. Northern, Ext. Service, West Virginia University, Morgantown.
Wis----- E. E. Starkey, Ext. Service, University of Wisconsin, Madison 6.
Wyo----- I. W. Slater, Ext. Service, University of Wyoming, Laramie.

MAY 15, 1963

DEADLINE FOR REPORTING LACTATION RECORDS

DHIA-718 - DHIA-1095

To be included in the next sire summary tabulation, all available lactation records should be reported to the Branch by May 15, 1963.

Supervisors should forward manually calculated lactation records on DHIA-718 as they are completed.

JUNE 1, 1963

DEADLINE FOR REPORTING DHIA YEARLY HERD RECORDS

DHIA-780 - DHIA-205-9 - DHIA-1105

DHIA Herd and Association Summary and State and national DHIA tabulations of DHIA yearly herd records will be issued next July using testing years ending between May 1, 1962 and April 30, 1963, will be included in the tabulations.

Supervisors should report manually calculated yearly herd records on DHIA-780. These should be forwarded to the Branch as they are received and checked in the State office. Computing Centers should report yearly herd records on form DHIA-205-9 or DHIA-1105.

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